

Fig. 1

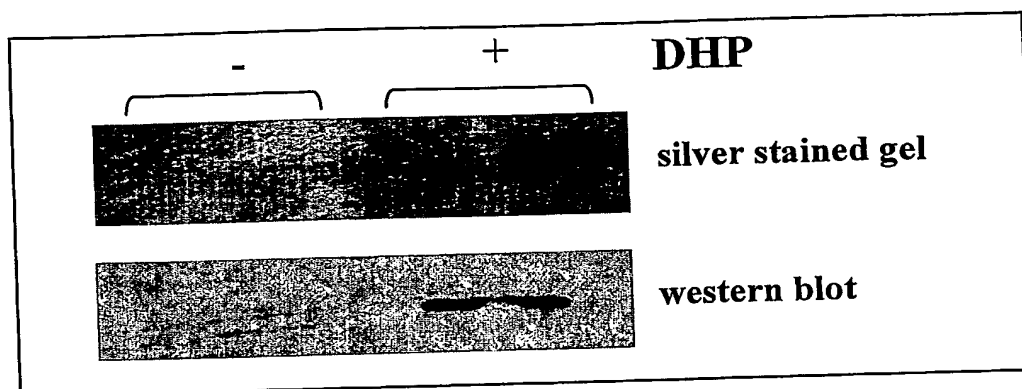


Fig. 2A

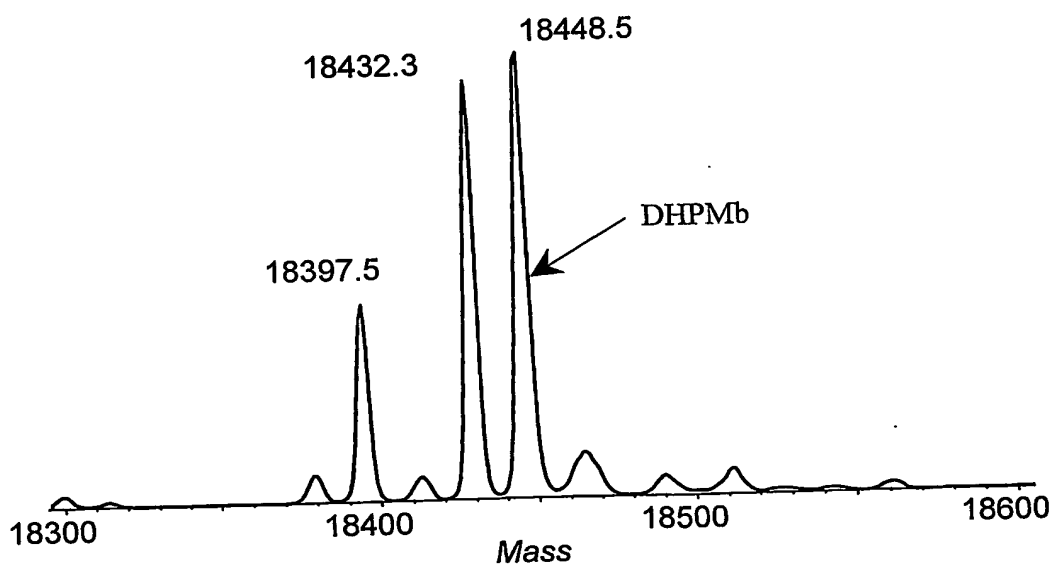


Fig. 2B

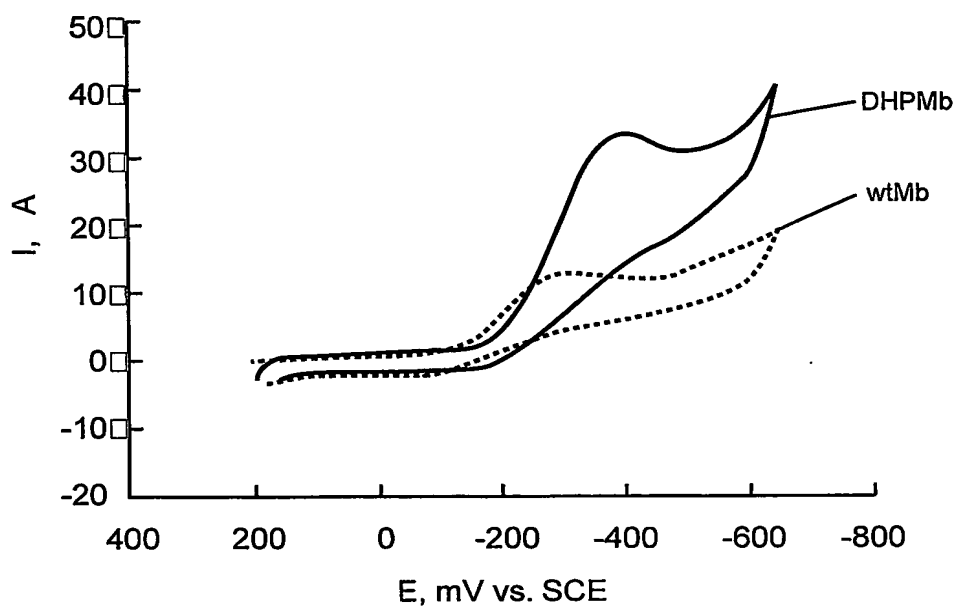


Fig. 3A

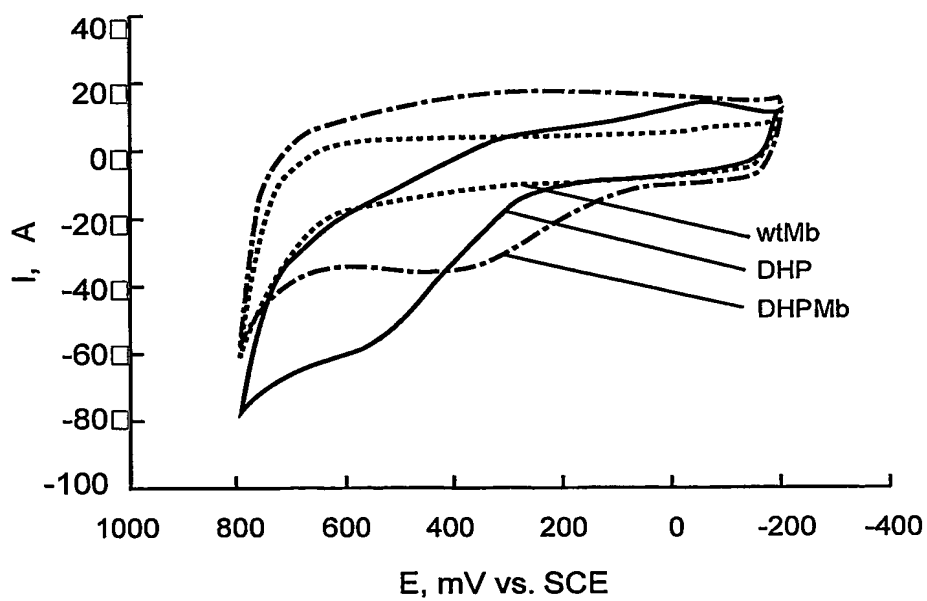


Fig. 3B

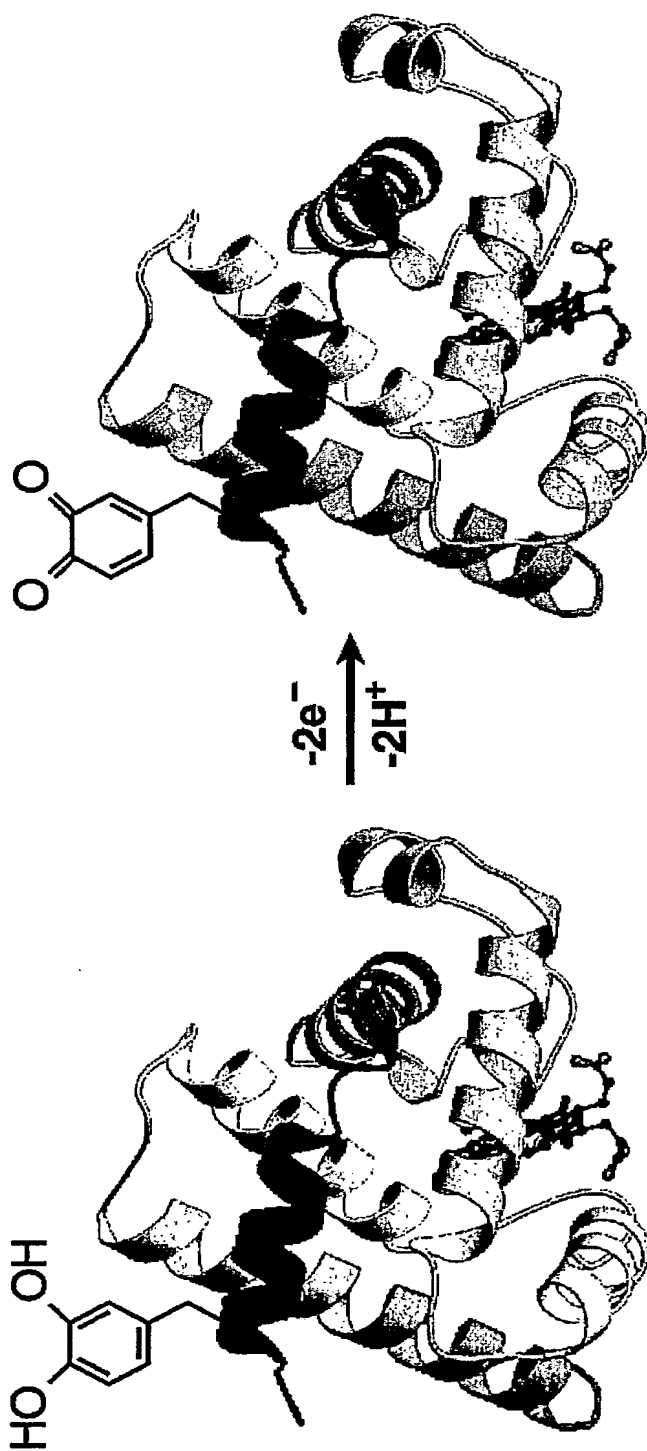


Fig. 4

1/1  
 ATG GAC GAA TTT GAA ATG ATA AAG AGA AAC ACA TCT GAA ATT ATC AGC GAG GAA GAG TTA AGA GAG GTT TTA AAA AAA GAT GAA AAA TCT TAC ATA GGT TTT GAA CCA AGT GGT AAA  
 Met asp glu phe glu met ile lys arg asn thr ser glu ile ile ser glu glu glu leu arg glu val leu lys lys asp glu lys ser ala tyr ile gly phe glu pro ser gly lys  
 121/41  
 ATA CAT TTA GGG CAT TAT CTC CAA ATA AAA AAG ATG ATT GAT TTA CAA AAT GCT GGA TTT GAT ATA ATT ATA TTG TTG GCT GAT TTA AAC CAG AAA GGA GAG TTG GAT  
 ile his leu glu gly his tyr leu gln ile lys lys met ile asp leu gln asn ala gly phe asp ile ile ile leu leu ala asp leu his ala tyr leu asn gln lys gly glu leu asp  
 241/81  
 GAG ATT AGA AAA ATA GGA GAT TAT AAC AAA AAT GTT TTT GAA GCA ATG GGG TTA AAG GCA AAA TAT GGT TAT GGT GAA AGT GAA TTC CAG CTT GAT AAG GAT TAT ACA CTG AAT GTC TAT AGA  
 glu ile arg lys ile gly asp tyr asn lys lys val phe glu ala met gly leu lys ala lys tyr val tyr gly ser glu phe gln leu asp lys asp tyr thr leu asn val tyr arg  
 361/121  
 TTG GCT TTA AAA ACT ACC TTA AAA AGA GCA AGA AGG AGT ATG GAA CTT ATA GCA AGA GAG GAT GAA AAT CCA AAG GTT GCT GAA GTT ATC TAT CCA ATA ATG CAG GTT AAT GAT ATT CAT  
 leu ala leu lys thr thr leu lys arg ala arg arg ser met glu leu ile ala arg glu asp glu asn pro lys val ala glu val ile tyr pro ile met gln val asn asp ile his  
 481/161  
 TAT TTA GGC GTT GAT GTT GCA GTT GGA GGG ATG GAG CAG AGA AAA ATA CAC ATG TTA GCA AGG GAG CTT TTA CCA AAA AAG GTT GTT TGT ATT CAC AAC CCT GTC TTA ACG GGT TTG GAT  
 tyr leu gly val asp val ala val gly gly met glu gln arg lys ile his met leu ala arg glu leu leu pro lys lys val val cys ile his asn pro val leu thr gly leu asp  
 601/201  
 GGA GAA GGA AAG ATG AGT TCT TCA AAA GGG AAT TTT ATA GCT GTT GAT GAC TCT CCA GAA GAG ATT AGG GCT AAG ATA AAG AAA GCA TAC TGC CCA GCT GGA GTT GTT GAA GGA AAT CCA  
 gly glu gly lys met ser ser lys gly asn phe ile ala val asp asp ser pro glu glu ile arg ala lys ile lys lys ala tyr cys pro ala gly val val glu gly asn pro  
 721/241  
 ATA ATG GAG ATA GCT AAA TAC TTC CTT GAA TAT CCT TTA ACC ATA AAA AGG CCA GAA AAA TTT GGT GGA GAT TTG ACA GTT AAT AGC TAT GAG GAG TTA GAG AGT TTA TTT AAA AAT AAG  
 ile met glu ile ala lys tyr phe leu glu tyr pro leu thr ile lys arg pro glu lys phe gly gly asp leu thr val asn ser tyr glu glu leu glu ser leu phe lys asn lys  
 841/281  
 GAA TTG CAT CCA ATG GAT TTA AAA AAT GCT GTA GCT GAA GAA CTT ATA AAG ATT TTA GAG CCA ATT AGA AAG AGA TTA (SEQ ID NO:5)  
 glu leu his pro met asp leu lys asn ala val ala glu leu ile lys ile leu glu pro ile arg lys arg leu (SEQ ID NO:4)

Fig. 5

1/1  
 ATG GAC GAA TTT GAA ATG ATA AAG AGA AAC ACA TCT GAA ATT ATC AGC GAG GAA GAG TTA AGA GAG GTT TTA AAA AAA GAT GAA AAA TCT GCT CTC ATA GGT TTT GAA CCA AGT GGT AAA  
 Met asp glu phe glu met ile lys arg asn thr ser glu ile ile ser glu glu glu leu arg glu val leu lys lys asp glu lys ser ala leu ile gly phe glu pro ser gly lys  
 121/41  
 ATA CAT TTA GGG CAT TAT CTC CAA ATA AAA AAG ATG ATT GAT TTA CAA AAT GCT GGA TTT GAT ATA ATT ATA TTG TTG AGC GAT TTA AAC CAG AAA GGA GAG TTG GAT  
 ile his leu glu his tyr leu gln ile lys lys met ile asp leu gln asn ala gly phe asp ile ile ile leu leu ser asp leu ala tyr leu asn gln lys gly glu leu asp  
 241/81  
 GAG ATT AGA AAA ATA GGA GAT TAT AAC AAA GAT TTT GAA GCA ATG GGG TTA AAG GCA AAA TAT GTT TAT GGA AGT GAA TTC CAG CTT GAT AAG GAT TAT ACA CTG AAT GTC TAT AGA  
 glu ile arg lys ile gly asp tyr asn lys val phe glu ala met gly leu lys ala lys tyr val tyr gly ser glu phe gln leu asp lys asp tyr thr leu asn val tyr arg  
 361/121  
 TTG GCT TTA AAA ACT ACC TTA AAA AGA GCA AGA AGG AGT ATG GAA CTT ATA GCA AGA GAG GAT GAA AAT CCA AAG GTT GCT GAA GTT ATC TAT CCA ATA ATG CAG GTT AAT GAT ATT'CAT  
 leu ala leu lys thr thr leu lys arg ala arg arg ser met glu leu ile ala arg glu asp glu asn pro lys val ala glu val ile tyr pro ile met gln val asn asp ile his  
 481/161  
 TAT TTA GGC GTT GAT GTT CAG GTT GGA GGG ATG GAG CAG AGA AAA ATA CAC ATG TTA GCA AGG GAG CTT TTA CCA AAA AAG GTT GTT TGT CAC AAC CCT GTC TTA ACG GGT TTG GAT  
 tyr leu gly val asp val gln val gly gly met glu gln arg lys ile his met leu ala arg glu leu leu pro lys lys val val cys ile his asn pro val leu thr gly leu asp  
 601/201  
 GGA GAA GGA AAG ATG AGT TCT TCA AAA GGG AAT TTT ATA GCT GTT GAT GAC TCT CCA GAA GAG ATT AGG CCT AAG ATA AAG AAA GCA TAC TGC CCA GCT GGA GTT GTT GAA GGA AAT CCA  
 gly glu gly lys met ser ser lys gly asn phe ile ala val asp asp ser pro glu glu ile arg ala lys ile lys lys ala tyr cys pro ala gly val val glu gly asn pro  
 721/241  
 ATA ATG GAG ATA GCT AAA TAC TTC CTT GAA TAT CCT TTA ACC ATA AAA AGG CCA GAA AAA TTT GGT GGA GAT TTG ACA GTT AAT AGC TAT GAG GAG TTA GAG AGT TTA TTT AAA AAT AAG  
 ile met glu ile ala lys tyr phe leu glu tyr pro leu thr ile lys arg pro glu lys phe gly gly asp leu thr val asn ser tyr glu glu leu glu ser leu phe lys asn lys  
 841/281  
 GAA TTG CAT CCA ATG GAT TTA AAA AAT GCT GTA GCT GAA GAA CTT ATA AAG ATT TTA GAG CCA ATT AGA AAG AGA TTA (SEQ ID NO:3)  
 glu leu his pro met asp leu lys asn ala val ala glu glu leu lys ile leu glu pro ile arg lys arg leu (SEQ ID NO:1)

Fig. 6